(19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 18 August 2005 (18.08.2005)

PCT

(10) International Publication Number WO 2005/075687 A2

(51) International Patent Classification⁷:

C13K 1/00

(21) International Application Number:

PCT/EP2005/000520

(22) International Filing Date: 20 January 2005 (20.01.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0402469.1

4 February 2004 (04.02.2004) GB

- (71) Applicant (for all designated States except US): CIBA SPECIALTY CHEMICALS WATER TREATMENTS LIMITED [GB/GB]; Cleckheaton Road, Low Moor, Bradford, West Yorkshire BD12 0JZ (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HUGHES, Jonathan [GB/GB]; 6 Lightridge Road, Fixby, Huddersfield, West Yorkshire HD2 2HE (GB). MISTRY, Rajesh [GB/GB]; 31 Southmere Oval, Bradford, West Yorkshire, BD7 4HS (GB). SYMES, Kenneth, Charles [GB/GB]; 4 Silk Mill Drive, East Morton, Keighley, West Yorkshire BD20 5UU (GB).
- (74) Common Representative: CIBA SPECIALTY CHEM-ICALS WATER TREATMENTS LIMITED; Patent Department, Cleckheaton Road, Bradford, West Yorkshire BD12 0JZ (GB).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PRODUCTION OF A FERMENTATION PRODUCT

(57) Abstract: A process of separating suspended solids from a fermentation liquor by subjecting the liquor to a solids-liquid separation stage, wherein the fermentation liquor is produced in a fermentation process for the production of a fermentation product, in which the liquor has been subjected to a temperature of at least 50°C, wherein the solids-liquid separation stage is assisted by a treatment system, characterised in that the treatment system comprises an anionic polymer selected from natural polymers and modified natural polymers having a high anionic charge such that the equivalent weight is below 300, and synthetic polymers formed from at least 50% by weight anionic monomer units.

